



LRLSVSYLRAKSFFD] of SEQ ID NO: 37 and alternations, substitutions, additions and deletions thereof.

22. (Amended) An isolated and purified polypeptide comprising a DNA binding domain of an Ah receptor protein wherein said DNA binding domain comprises the amino acid sequence[
RKRRKPVQKTVKPIPAEGIKSNPSKRHRDRLNTELDRLASLLPFPQDVINKLDKLSV
LRLSVTYLRAKSFFD] of SEQ ID NO: 38 and alterations, substitutions, additions and deletions thereof.

26. (Amended) An isolated and purified polypeptide comprising a DNA binding domain of an Ah receptor protein wherein said DNA binding domain comprises the amino acid sequence[
EFQRQLHWALNPSQCTESGQGIEEATGLPQTVVCYNPDQIPPENSPLMERCFCICR
LRCLLDNSSGFLAMNFQGKLYLHGQKKKGKDGSLPPQLALFAIATPLQPPSILEIR
TKNFIFRTKHKLDFRPIGCDAGRIVLGYTEAELCTRGSGYOFIHAADMLYCAESHIR
MIKTGESGMIVFRLLTKNNRWTWVQSNARLLYKNGRP] of SEQ ID NO: 39 and alterations, substitutions, additions and deletions thereof.

27. An isolated and purified polypeptide comprising a ligand binding domain of an Ah receptor protein, wherein said ligand binding domain comprises the amino acid sequence[
FMERCFCRLRCLLDNSSGFLAMNFQGRKLYLHGQNKKKGKDGLPPQLALFAIAT
PLQPPSILEIRTKNFIFRTKHKLDFRPIGCDAGQLILGYTEVELCTRGSGYOFIHAAD